

CLAIMS

What is claimed is:

- 5 1. An expression vector, comprising a recombinant non-segmented negative-stranded RNA virus expressing a cDNA encoding an immunoglobulin heavy chain.
- 10 2. An expression vector, comprising a recombinant non-segmented negative-stranded RNA virus expressing a cDNA which encodes an immunoglobulin light chain.
- 15 3. An expression vector, comprising a recombinant non-segmented negative-stranded RNA virus expressing a cDNA which encodes an immunoglobulin heavy chain and an immunoglobulin light chain.
- 20 4. A method for expressing a functional immunoglobulin, comprising  
a) infecting a mammalian cell with an expression vector, said expression vector comprising a recombinant non-segmented negative-stranded RNA virus vector expressing immunoglobulin heavy and light chains;  
b) harvesting tissue culture supernatants;  
c) inactivating virus;  
d) testing for the presence of neutralizing antibody.
- 25 5. A method for expressing a functional immunoglobulin, comprising  
a) double-infecting a mammalian cell with expression vectors, comprising a recombinant non-segmented negative-stranded RNA virus vector expressing an immunoglobulin heavy chain and a recombinant non-segmented negative-stranded RNA virus vector expressing an immunoglobulin light chain;  
30 b) harvesting tissue culture supernatants;  
c) inactivating virus; and  
d) testing for the presence of neutralizing antibody.

- 5
6. A method of treating a condition in which an antigen is recognized, comprising:
- a) administering a therapeutically effective amount of a purified antibody;
  - b) binding of said purified antibody to said antigen; and
  - c) preventing a diseased state from persisting.
- 10
7. A method of treating a condition in which an antigen is recognized, comprising:
- a) administering a therapeutically effective amount of a purified viral vector, said vector comprising a recombinant non-segmented, negative-stranded RNA virus vector expressing an antibody;
  - b) binding of said antibody to said antigen; and
  - c) preventing a diseased state from persisting.
- 15
8. A method of prophylactically preventing a condition in which an antigen is recognized, comprising:
- a) administering a therapeutically effective amount of a purified antibody;
  - b) binding of said purified antibody to said antigen; and
  - c) preventing a diseased state from occurring.
- 20
9. A method of prophylactically preventing a condition in which an antigen is recognized, comprising:
- a) administering a therapeutically effective amount of a purified viral vector, said vector comprising a recombinant non-segmented, negative-stranded RNA virus vector expressing an antibody;
  - b) binding of said antibody to said antigen; and
  - c) preventing a diseased state from occurring.
- 25

092412-080701